

October 25, 2018



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 20381  
(FIRST REVISION)

**EXPIRATION DATE: 2022-09-30**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Western International Gas & Cylinders, Inc.  
Bellville, TX
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of gaseous, solvent free, acetylene in certain DOT and UN specification cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Column (3) in that the material is forbidden.
5. BASIS: This special permit is based on the application of Western International Gas & Cylinders, Inc. dated August 22, 2018, submitted in accordance with § 107.109.

Tracking Number: 2016126658

October 25, 2018

6. HAZARDOUS MATERIALS (49 CFR 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Acetylene, solvent free	2.1	UN3374	N/A

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) Prescribed packaging shall be a DOT specification 3A, 3AA, or 3AL cylinder with a minimum service pressure rating of 1800 psig (3000 psig test pressure) or a UN ISO 9809-1, UN ISO 9809-2, UN ISO 9809-3, UN ISO 9809-4, or UN ISO 7866 cylinder with a minimum test pressure rating of 207 bar;

(2) The cylinder shall not exceed a water capacity of 150 pounds (4160 cubic inches); and

(3) The length of the cylinder shall not exceed 60 inches.

b. OPERATIONAL CONTROLS:

(1) The acetylene pressure in the cylinder corrected to 60° F shall not exceed 25.5 psig/40 psia;

(2) If the cylinder pressure is to be filled to pressures above 15 psig, a flash arrestor approved for acetylene must be installed between the cylinder and the filling apparatus; and

(3) Cylinders must have three protective features to prevent leakage: a plug in the cylinder outlet, a positive means of securing the valve from turning (i.e. shrink wrap, tie down, etc), and a protective cap over the valve assembly.

(4) A cylinder that has been exposed to decomposition of acetylene resulting in pressures exceeding the marked service pressure (for DOT specification

**October 25, 2018**

cylinders) or 5/3 of the marked test pressure (for UN ISO cylinders) must be removed from service.

c. MARKING: The cylinder must be labeled "DOT-SP 20381" in addition to the DOT or ISO specification marking.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special

**October 25, 2018**

permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

**October 25, 2018**

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at

[http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm).

Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: kah/rt/TD